**ABSTRACT** 

The invention relates to a iron material with graphite flakes, which in a simple manner allows the respective optimal properties to be adjusted for a wide product range by varying the contents of the respective alloy components. For this purpose, cast iron material according to the invention comprises (in % by weight) 3.4 to 4.1% C, 0.9 to 1.4% Si, 0.4 to 0.7% Mn, 0.4 to 0.6% Cu, 0.01 to 0.04% S, 0.003 to 0.007%  $O_2$ ,  $\leq 0.04$ % P and iron and unavoidable impurities as the remainder. In addition, the following may optionally be included singly or in combination 0.15 to 0.45% Mo, 0.005 to 0.02% La, 0.0005 to 0.01% Sr, 0.05 to 0.8% Ni, 0.005 to 0.1% V, 0.05 to 0.15% Sn, 0.05 to 0.08% N and 0.01 to 0.02% Ce. In this case 0.85%  $\leq S_c \leq 1.05\%$  applies to the degree of saturation Sc = C%/4.26 - 0.3\* (Si%+P%), and 1.97% ≤MEG ≤2.07% applies to the respective quantity %MEG = 2.25% - 0.2 Si%.

Publication shall take place without figures.